

TRANSFORMER

ABSTRACT OF THE DISCLOSURE

5 A transformer includes a bobbin. The bobbin
includes a first cylindrical member, and a second
cylindrical member having a larger diameter than the
first cylindrical member. The first cylindrical member
and the second cylindrical member are integrally formed
in a concentric arrangement with a gap therebetween. A
first winding, implemented by an air-core coil, is
10 inserted into the gap between the first and second
cylindrical members of the bobbin, and serves as an input
winding which allows a large current in association with
a low voltage to flow therethrough. A second winding is
wound on the second cylindrical member of the bobbin, and
15 serves as an output winding which allows a small current
in association with a high voltage to flow therethrough.

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